SR No : 10/16-17
Date : 22/06/2016

2nd & Final Bill Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. Date: SBR No : 09/16-17

Division: **Electrical (DASARAHALLI)** Sub- Division: Date : 22/06/2016

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate**): Providing Electrical Maintenance and repair and Additional fixtures to BBMP Buildings in dasarahalli Zone.**

Contractor and Full Address**: M/s Chetan Electricals,**

Work Order No: : **EE/(Elec)Z/WO/02/2013-14 Dated : 13-11-2013**

Reference to Agreement Date .....

Job No:- 014-13-000050

Certified that the measurements were taken by me on 20/06/2016 and recorded of pages 512001 to 512011 of Measurement Book No 5121 and that the work is satisfactorily executed.

For CHETHAN ELECTRICALS

Contractor

Proprietor

Officer in charge of work

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 22/06/16 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Sub-division Officer

II Memorandum of Payment

36) Total value of work done or supplies as per account within

37) Deduct amount to be held in reserve being .....percent Rs.....

38) " Balance

39) Deduct payment :

o) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....
Amount adjusted towards cash advance recovery of

p) Payments cost store or other material supplied.
Now made recovery amount creditable to this/ other work
Amount paid on this bill cheque/cash

40) Balance being unpaid value of work done held in reserve

6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments

7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied

Total Upto Date: 519554/-
(-) Previous Bill: 254686/-
₹ 264868/-

IT (2%): 5297/-
KST (4%): 10595/-
LWC (1%): 2649/-
CBF (0.1%): 265/-
SD (5%): 13243/-
Total Ded-n: 32049/-
₹ 232819/-

Received Rs. 264868/- (in words) Two Lakh Thirty Two Thousand Eight Hundred Nineteen Only
by adjustment Rs. 32049/-
.....
by cash and adjustment of payment as per memorandum.

Witnesses :
1.
2.

Dated .....Signature of contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Accounts Superintendent
B.B.M.P. Dasarahalli Division

Executive Engineer (Ele)
For CHETHAN ELECTRICALS
Stamp
Proprietor

For CHETHAN ELECTRICALS

Contractors Signature

Proprietor

(For use in the office)

Initials of Officer making payment

Executive Engineer (Ele)

Sl no	Description of item
	Name of Work : .....
1	Electrification or wireman with wireman permit 1 person x Rs.169.12/day x 30 days Rs.5073.60/month x 12 months Rs.60883.20
2	Operator Light/Pump Vibrator/Grinder/ Air conditioner Rs.165=12/day/person (Weekly Once i.e 2days in a month X 12 month)
3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE.a) 100 Amps 25 kA,
4	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.
5	Supplying and fixing/replacing of flouresexcnt tube. a) 18 to 40 watts
6	Supplying of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes. a) Group A
7	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp. a) Group A
8	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder
9	Supply and fixing of 230 volts CFL lamp holder a) 2Pin Holder
10	Supply of Specital type lamps e) 9/11 Watts CFL
	h) 36 Watts CFL
11	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (Spray method) to less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.
12	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries.a) Upto 4 mfd
13	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. I. Using Group "A" materials d) Stepped Fan Regulator
14	Supplying and replacing ceiling fan regulator 900mm to 1500mm
15	Rewinding a...mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing. c) 1200MM
16	Supply of 1x19x1000mm self adhesive PVC insulated steel grip tape roll.
17	Supplying and fixing Cordless calling bell suitable to operate on 230V 50 Hz AC/3V DC Supply, Cordless remote bell push with 2x1.5V DC Batteris and completely wired. a) Group A
18	Supplying and fixing 6 Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50 Hz AC supply a) Group A

Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
	Qty.	Cost	Qty.	Rate	Amount	Qty	Cost	
P/ Person	1	55000.00	1x18Months	4583.33	82500.00		137500.00	
P/ Person	22	3520.00	33	160.00	5280.00	55	8800.00	
Nos	1	2818.00	1	2818.00	2818.00	2	5636.00	
Nos	71	1562.00	70	22.00	1540.00	141	3102.00	
Nos	42	2100.00	43	50.00	2150.00	85	4250.00	
Nos	61	11285.00	62	185.00	11470.00	123	22755.00	
Nos	75	1050.00	74	14.00	1036.00	149	2086.00	
Nos	15	270.00	19	18.00	342.00	34	612.00	
Nos	21	798.00	20	38.00	760.00	41	1558.00	
Nos	23	2461.00	23	107.00	2461.00	46	4922.00	
Nos	41	5945.00	43	145	6235.00	84	12180.00	
Nos	13	2444.00	12	188	2256.00	25	4700.00	
Nos	9	567.00	8	63	504.00	17	1071.00	
Nos	8	3200.00	7	400	2800.00	15	6000.00	
Nos	7	756.00	5	108	540.00	12	1296.00	
Nos	14	6790.00	12	485	5820.00	26	12610.00	
Nos	24	264.00	23	11	253.00	47	517.00	
Nos	10	5000.00	2	500	1000.00	12	6000.00	
Nos	15	9000.00	13	600	7800.00	28	16800.00	

19	Supplying installation testing and commissioning of heavy duty compresser suitable for window/split type A/C. c) 2 ton capacity
20	Supply and fixing of condensing coil for Split Air Conditioners. c) 2 ton capacity
21	Supplying and fixing capacitor's (of approved make) for window/ split air conditioners b) 80 to 200 mfd Starting capacitor
22	Supplying & fixing relay for over load protection for window and split air conditioners.
23	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split/ window air conditioners.
24	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.
25	Supplying and fixing electro mechanical/Pneumatic time switches including Vat.
26	Supply, installation of 5/8" and 7/8" Hard drawn refrigerant pipe and insulation suitable for 11 TR ductable split Air-Conditioner.
27	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. I Point wiring using class A Materials
	a) Short point upto 3Mtr from tapping point to out let via switch
	b) Medium point above 3Mtr upto 6Mtr from Tapping point to out let via switch
28	Supplying and fixing of PVC casing and capping on the wall or celiling using necessary materials like bends, screws at an interval of 300mm... etc as required.,b) 25mm dia
	c) 32mm dia
29	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cabe in open or consealed system of wiring. I Group A Materials.
	b) 1.5 sqmm
	c) 2.5 sqmm
30	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws.
31	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. a) Group ' A' I 1x4'-36/40Watts

Nos	1	6400.00	1	6400	6400.00	2	12800.00	
Nos	2	7600.00	2	3800	7600.00	4	15200.00	
Nos	4	920.00	4	230	920.00	8	1840.00	
Nos	4	800.00	4	200	800.00	8	1600.00	
Nos	2	3608.00	2	1804	3608.00	4	7216.00	
Nos	33	15213.00	33	461	15213.00	66	30426.00	
Nos	2	1478.00	2	739	1478.00	4	2956.00	
Mtrs	9	9630.00	10	1070	10700.00	19	20330.00	
pts					0.00	0	0.00	
pts	18	2412.00	17	134	2278.00	35	4690.00	
pts	24	6800.00	25	200	5000.00	49	11800.00	
Mtrs	148	4588.00	136	31	4216.00	284	8804.00	
Mtrs	279	9486.00	171	34	5814.00	450	15300.00	
Mtrs					0.00	0	0.00	
Mtrs	689	7579.00	525	11	5775.00	1214	13354.00	
Mtrs	1489	28291.00	1398	19	26562.00	2887	54853.00	
qcms	11500	1840.00	11565	0.16	1850.40	23065	3690.40	
Nos	15	4620.00	15	308	4620.00	30	9240.00	

32	Fixing all types and all capacities fluorescent/false ceiling /spot light/CFL fitting indoor on the wall/ceiling /rafters/girders using 23/0.0076`` twin twisted PVC insulated wires, required nos of round blocks and clamps (if required) a) On wall/ceiling/Rafter/Girders
33	Supplying capacitor type ceiling fan complete with dawn rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system. 1 48" Sweep (120 mm) a) Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Usha, Havells, Almonard)
34	Fixing a ceiling/wall mounting fan of all capacities and all types with necessary clamps and S hook made out of 15mm dia MS rod, with 5 amps ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted wire of approved quality with regulator mounted on a suitable size wooden board and wired complete.
35	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A a) 6 amps SP switch
	e) 6 Amps bakelite Ceiling rose
	i) 16 Amps Switch
	j) 16 Amps 3 way 5 pin Socket
	f) 6 Amps lamps holder
36	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate Using Group "C" materials
	d) Stepped Fan Regulator
37	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.b) 6Amps 3/5 Way
38	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates. The box should be firmly/surface/flush mounted after due groove cutting in Brick/C.C wall, fixing including necessary rawl plugs, Machine/ NF screwes etc., complete d) 10-12Way
39	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required.
	E) 5-32 Amps TPN 1) Group 'A'
	C) 5-32 Amps DP 1) Group 'A'
	Total Rs

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, Dasarahalli Zone, Bangalore

Nos	15	1215.00	15	81	1215.00	30	2430.00	
Nos	5	6930.00	5	1386	6930.00	10	13860.00	
Nos	15	2430.00	5	162	810.00	20	3240.00	
Nos	14	322.00	14	23	322.00	28	644.00	
Nos	28	728.00	26	26	676.00	54	1404.00	
Nos	6	372.00	6	62	372.00	12	744.00	
Nos	6	390.00	6	65	390.00	12	780.00	
Nos	20	600.00	15	30	450.00	35	1050.00	
Nos					0.00	0	0.00	
Nos	15	4500.00	10	300	3000.00	25	7500.00	
Nos	34	2788.00	29	82	2378.00	63	5166.00	
Nos	25	3650.00	25	146	3650.00	50	7300.00	
Nos					0.00	0	0.00	
Nos	2	1546.00	2	773	1546.00	4	3092.00	
Nos	8	3120.00	7	390	2730.00	15	5850.00	
		254686.00			264868.40		519554.40	

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